2021 TX DPS TxICC

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AGENDA

- **FirstNet Update**
- **FirstNet Federal Authority**
- **FirstNet Use Case – Jackson County**
  - **Chief Kurt Janica**
  - **Thomas Randall**
  - **Stephen Pundt**
  - **Mike Huynh**

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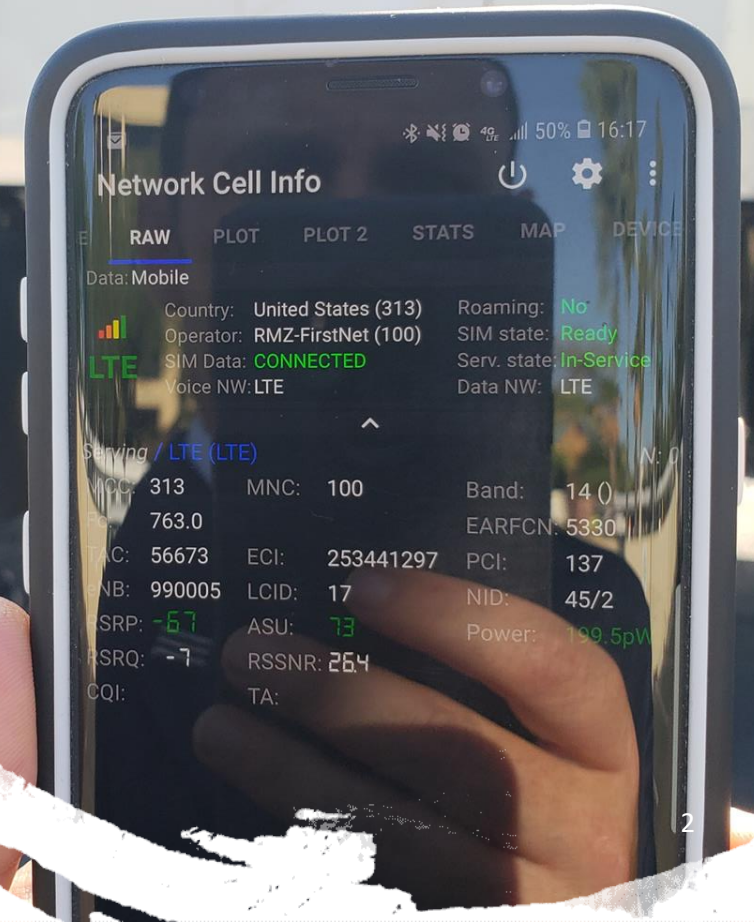
BY THE NUMBERS

The **only** dedicated communications platform in the country that brings first responders:

Always-on, 24x7 priority and preemption across voice and data communications

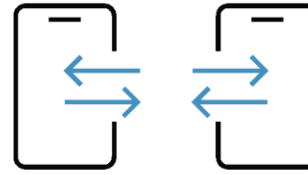A physically separate network core *fully dedicated* to public safety

Government oversight and accountability from the *FirstNet Authority*

2.5M+
FirstNet connections

17K+
Public safety agencies and organizations subscribed
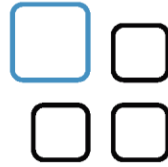
170+
apps in the FirstNet App Catalog

285+
FirstNet Ready® devices

AMERICA'S PUBLIC SAFETY NETWORK

2.71M
Square miles of LTE coverage nationwide

~100K
Square miles of LTE coverage added in 2020

100+
Dedicated deployable network assets, including Flying COWs™ and FirstNet One.

90%+
Band 14 coverage completion; well ahead of schedule

200+
Deployable requests from public safety this year

OPT IN
UPDATES

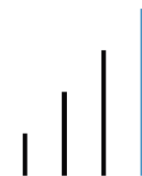| #	County	Planned	Preferred Location Identified	Site Acquisition Complete	Under Construction	Construction Complete	On-Air
1	ARANSAS (Houston Evac. Routes 1)	X	X	X	X	X	X
2	CAMERON 1 (Mexico Border 1)	X	X				
3	CAMERON 2 (Mexico Border 2)	X	X	X	X	X	X
4	CAMERON 3 (Mexico Border 3)	X	X	X	X	X	X
5	CROCKETT	X	X	X	X	X	X
6	CULBERSON	X	X	X	X	X	X
7	EL PASO (Mexico Border 4)	X	X	X	X	X	X
8	FORT BEND (Houston Evac. Routes 2)	X	X	X	X	X	X
9	HAMILTON (Hamilton)	X	X	X	X	X	X
10	HARRIS (Legacy Prep. Academy)	X	X	X	X	X	X
11	HIDALGO (Mexico Border 5)	X	X	X	X	X	X
12	HUDSPETH (Mexico Border 6)	X	X	X	X	X	X
13	MARTIN	X	X	X	X	X	X
14	MATAGORDA (Houston Evac. Routes 3)	X	X	X	X	X	X
15	MAVERICK 1 (Mexico Border 7)	X	X	X	X	X	X
16	MAVERICK 2 (Mexico Border 8)	X	X	X	X	X	X

#	County	Planned	Preferred Location Identified	Site Acquisition Complete	Under Construction	Construction Complete	On-Air
17	MONTGOMERY (Houston Evac. Routes 4)	X	X	X	X	X	X
18	RANDALL 1	X	X				
19	RANDALL 2	X	X				
20	REEVES	X	X	X	X	X	X
21	SHELBY	X	X	X	X	X	X
22	STARR 1 (Mexico Border 9)	X	X	X	X	X	X
23	STARR 2 (Mexico Border 10)	X	X	X	X	X	X
24	VAL VERDE (Mexico Border 11)	X	X	X	X	X	X
25	WILLIAMSON	X	X	X	X	X	X

Texas Opt-in Commitment Updates
Data through June 2021

FirstNet Band 14 Coverage

- Percent of planned FOC coverage currently in place:
  - Non-Rural Square Miles: 100%
  - Rural Square Miles: 99.2%

Band 14 New Sites - 25 sites committed

- 22 sites are On-Air
- 3 sites have a preferred location identified

AT&T Commercial New Sites - 31 sites committed

- All sites are On-Air

Connect America Fund II New Sites - 162 sites committed

- All sites are On-Air

Small Cell New Sites

With regards to coverage at the State Police training facilities, AT&T will, as part of the ongoing development of our commercial network, add small cells to address coverage in Florence.

- Coverage will be provided by a macro site rather than small cells.

- In Progress

Harris County Site Integration - 15 sites committed

- 100% of the sites are On-Air

FirstNet Deployables - 5 committed

- Deployables located in Corpus Christi, El Paso, Euless, San Antonio, and Spring
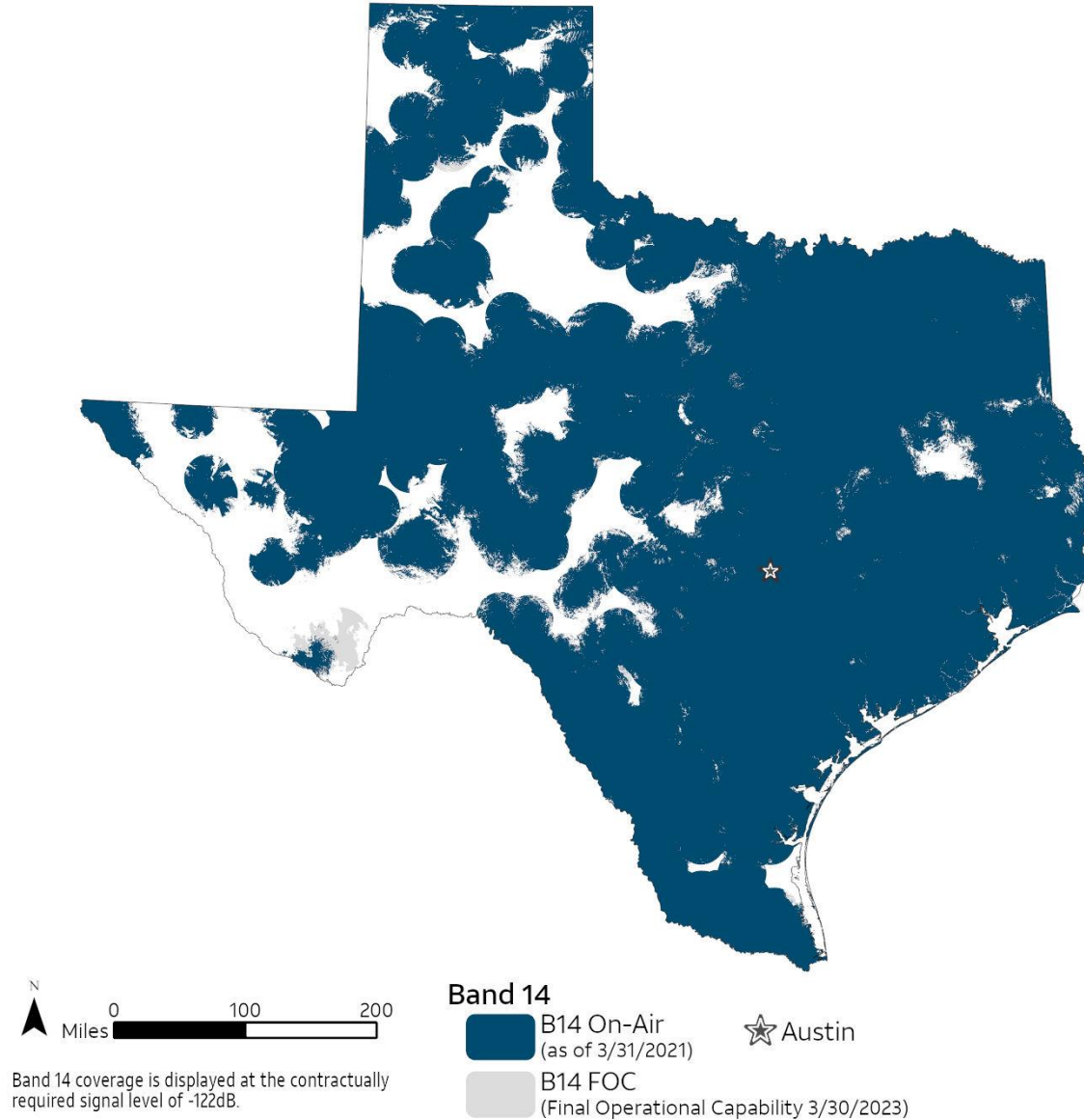
Pilot Program

"AT&T commits to perform an aircraft pilot program utilizing State of Texas Helicopters."

- DPS has recently assigned a team to conduct additional testing with the aircraft/helicopters and do testing with HPUE equipment, targeting completion by end of the year.
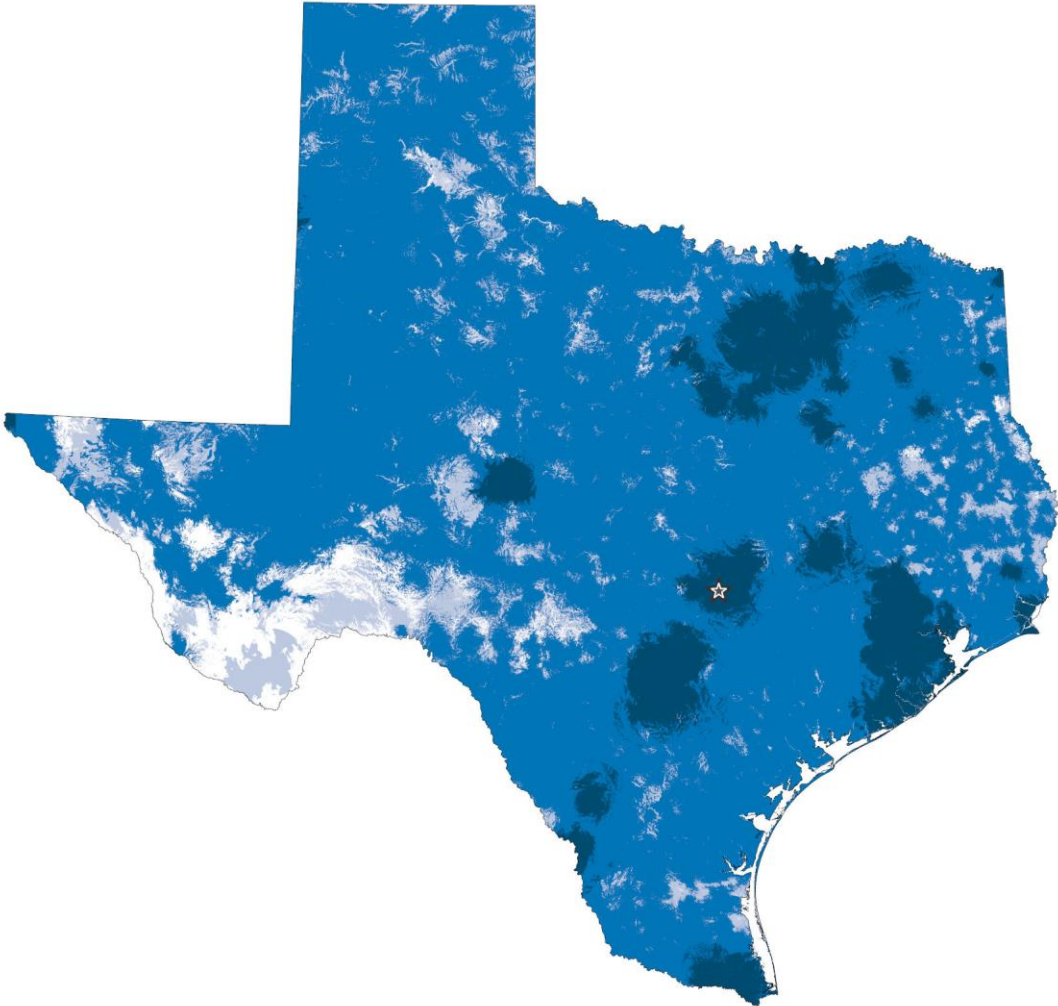
Band 14 Deployment Status

N

| 0 | 100 | 200 |
Miles

Band 14 coverage is displayed at the contractually
required signal level of -122dB.

Band 14

B14 On-Air
(as of 3/31/2021)

☆ Austin

B14 FOC
(Final Operational Capability 3/30/2023)

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All Coverage Map

Coverage on 5/30/2018

Coverage as of 6/30/2021

N
Miles 0   100   200
Coverage is displayed at the contractually required signal levels. Band 14 at -122dB and Non-Band 14 (LTE and Other Non-Band 14) at -110dB.
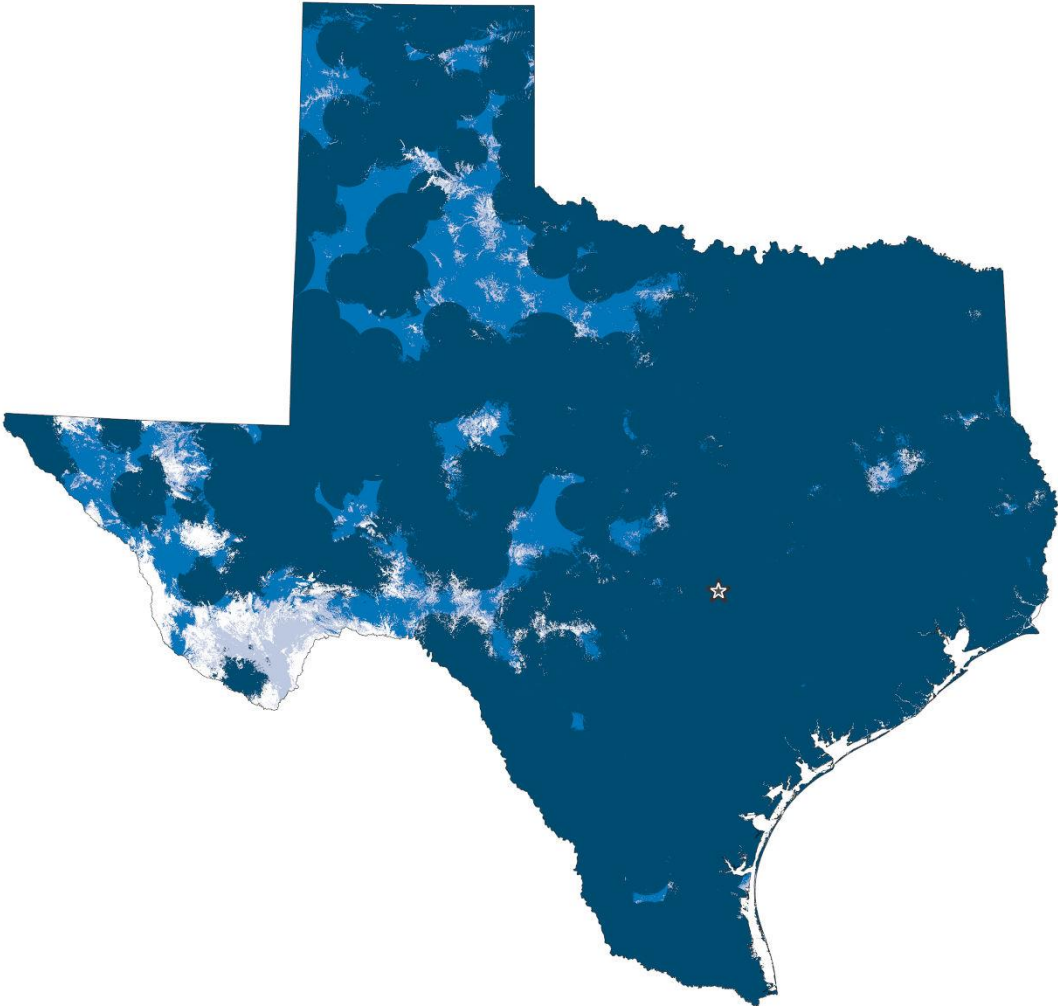
Band 14
B14 On-Air
(on 5/30/2018)

☆ Austin

Non-Band 14
LTE with Priority/Preemption
(on 5/30/2018)

Other Non-Band 14
(on 5/30/2018)

N
Miles 0   100   200
Coverage is displayed at the contractually required signal levels. Band 14 at -122dB and Non-Band 14 (LTE and Other Non-Band 14) at -110dB.

Band 14
B14 On-Air
(as of 6/30/2021)

☆ Austin

Non-Band 14
LTE with Priority/Preemption
(as of 6/30/2021)

Other Non-Band 14
(as of 6/30/2021)

FIRSTNET™
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FirstNet: Our Nation's Public Safety Network

Texas Interoperable Communications Coalition

October 27, 2021

Delivering on the Promise

- Public safety always gets priority

- Highly secure network to meet public safety's data requirements

- Controlled access by public safety agencies for their users

- Coverage where public safety operates

- Enhanced user experience

FirstNet® Authority

The FirstNet Authority Commitment to Public Safety

UNDERSTAND

Engage, understand, and analyze public safety operational needs and opportunities
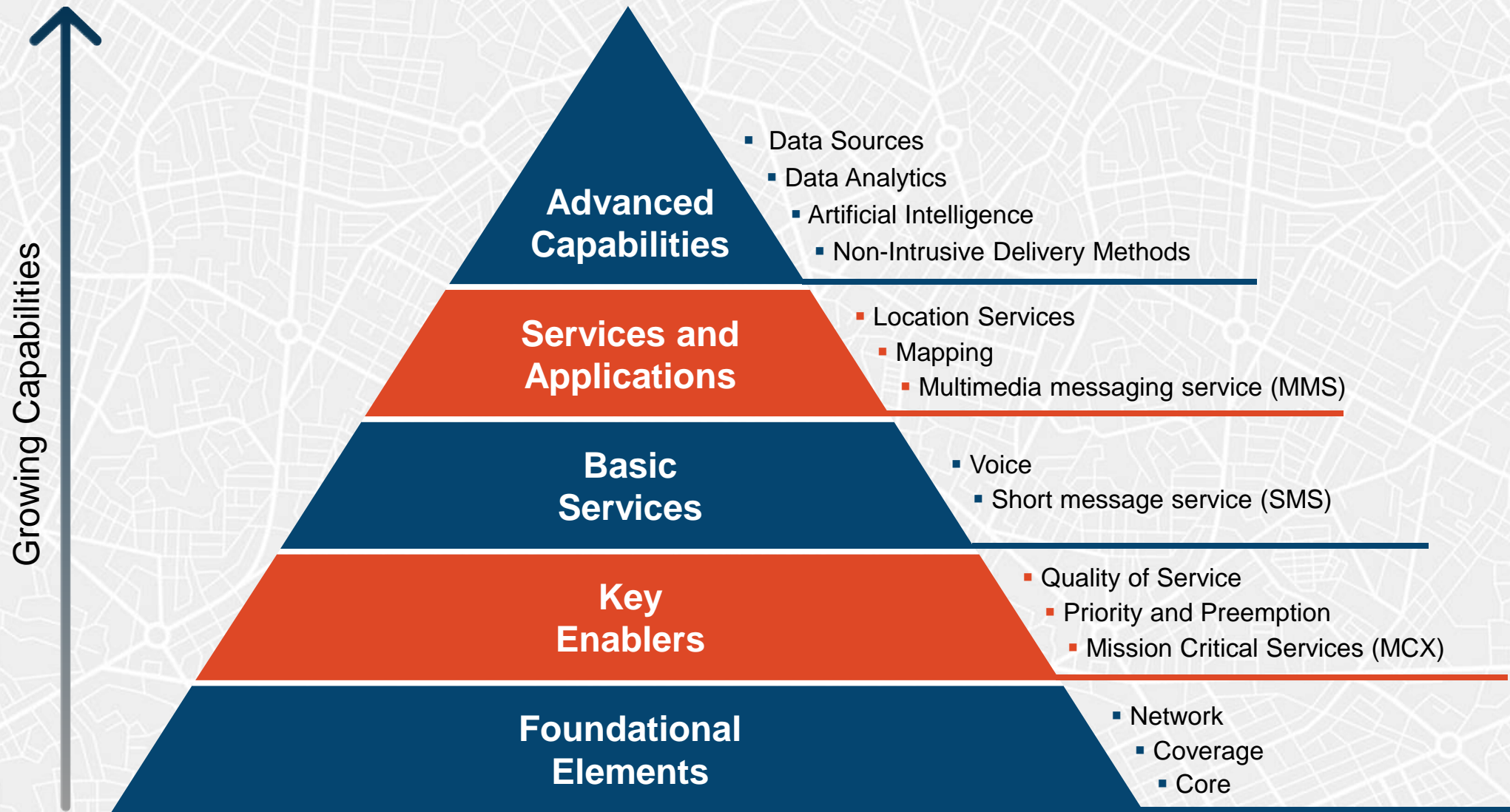
COLLABORATE

Include public safety, industry, government, and AT&T to determine the priorities we will address through the Roadmap and other efforts

TRANSFORM

Assist public safety in its adoption and use of FirstNet so that it realizes the advantages and benefits offered by the network

First Responder's Hierarchy of Needs

FirstNet Authority

Growing Capabilities →

Advanced Capabilities
- Data Sources
- Data Analytics
- Artificial Intelligence
- Non-Intrusive Delivery Methods

Services and Applications
- Location Services
- Mapping
- Multimedia messaging service (MMS)

Basic Services
- Voice
- Short message service (SMS)

Key Enablers
- Quality of Service
- Priority and Preemption
- Mission Critical Services (MCX)

Foundational Elements
- Network
- Coverage
- Core

Public Safety Feedback Leads to FirstNet Solution Enhancements

FirstNet Authority

Uplift Request Tool updates and feature additions

New Network Status Tool feature: Advanced Network View

Improved online sign-up experience

Agencies able to move subscriber paid users from general Foundation Account Number (FAN) to the agency FAN

Numbersync availability for smartwatch

Enhanced deployable request process

Static IP addresses

Multiple devices on subscriber paid accounts

Business Messaging to resolve blocked CAD messages

Public Safety Feedback Leads to Enhancements, Cont'd

Additional granularity in network status map

Expanded subscriber paid eligibility

Additional Push-to-Talk features
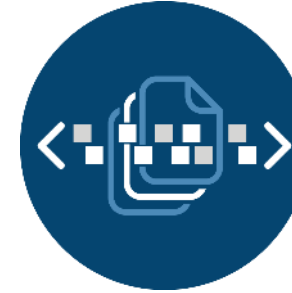
Availability of Compact Rapid Deployables

FirstNet Success Stories

Asset Tracking and Location Services

Push-to-Talk

Priority and Preemption

Secure Data Sharing

Customer Care and Engagement

RESULTS REPORTED FROM SUCCESS STORIES FROM PUBLIC SAFETY USERS

Increased efficiency/ time on patrol

Advance planning

Critical real-time information sharing

Platform for Innovation

LMR-LTE Integration

FirstNet Use Case – Jackson County

Q&A

Thank You